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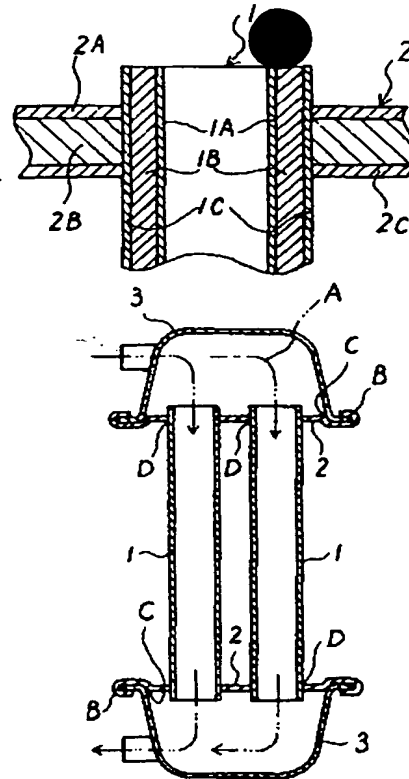
APPLICATION DATE : 03-09-82
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APPLICANT : MITSUBISHI ALUM CO LTD;

INVENTOR : TOMA KEN;

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TITLE : HEAT EXCHANGER MADE OF ALUMINUM ALLOY



ABSTRACT : PURPOSE: To prevent clogging, hole corrosion, etc. of tubes, by constituting the inner skin material of a header plate made of an aluminum alloy clad material by an aluminum alloy consisting of specific percentage of Mg, Zn and the remainder aluminum and inevitable impurities.

CONSTITUTION: The inner skin material 2A of a header plate 2 consisting of an inner skin material, a core material and an outer skin material is constituted by an aluminum alloy consistint of 0.5~1.5wt% of Mg, 0.5~1.5wt% of Zn and the remaining part of aluminum and inevitable impurities. Since this aluminum alloy has electrochemically most base natural potential as compared with other aluminum and aluminum alloys constituting a heat exchanger made of an aluminum alloy, it functions as a sacrificial anode material, and at the same time, elute to circulated cooling water is reduced extremely. Therefore, it is enabled to prevent clogging and corrosion holding of tubes and to prevent the occurrence of gap corrosion almost perfectly.

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